

## CLAIMS

What is claimed is:

- 1.) An anticancer drug ET in which E comprises one or more effector agents that  
5 evoke tumor cell killing and T comprises:
- a) A group referred to as a "tumor selective targeting ligand" which selectively  
binds to a target receptor that is increased on the surface of the tumor cell or  
in the microenvironment of the tumor cell compared to that for vital normal  
cells; and
  - 10 b) One or more of the following:
    - I. A tumor selective targeting ligand;
    - II. A group, referred to as a "masked intracellular transport ligand" which  
can be modified in vivo to give a group referred to as an "intracellular  
transport ligand" which binds to a tumor cell receptor that actively  
15 transports bound ligands into the tumor cell;
    - III. A group referred to as a "trigger" that can be modified in vivo, wherein  
in vivo modification activates the trigger and modulates the  
pharmacological activity PA;
    - IV. A group referred to as an "intracellular trapping ligand", which binds to  
20 one or more intracellular receptors or a group referred to as a "masked  
intracellular trapping ligand" which can be modified in vivo to give an  
"intracellular trapping ligand";

and wherein, when a second targeting ligand is present in T then the first and second targeting ligands can bind simultaneously to two targeting receptor molecules;

- 5 and wherein when T consists of a targeting ligand and a trigger, and when in vivo modification of said trigger increases the tumor killing activity, the in vivo modification which activates said trigger, is caused by an enzyme or enzymatic activity that is increased at tumor cells or decreased at vital normal cells;

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and wherein when T consists of a targeting ligand and a trigger, and when in vivo modification of said trigger decreases the tumor killing activity, the in vivo modification which activates said trigger, is caused by an enzyme or enzymatic activity that is decreased at tumor cells or increased at vital normal cells;

and provided that T is not an antibody, or an analog or component of an antibody, or a complex of antibodies, or a bispecific antibody, or an analog of a bispecific antibody, or a natural protein, or a complex of natural proteins, or a protein, or a naturally occurring polymer, or a radiolabelled dimer, or a polymer to which is attached, at multiple sites, one or more cytotoxic drugs.

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2.) An anticancer drug ET of claim 1 comprised of the following groups:

- I. N1 targeting ligands, which may differ;
- II. N2 masked intracellular transport ligands which may differ;

III. N3 triggers, which may differ, designated "detoxification triggers" wherein activation of the trigger decreases the toxicity of the drug;

IV. N4 effector agents which may differ;

5 V. N5 triggers which may differ, wherein activation of the trigger increases the toxicity of the drug;

VI. N6 intracellular trapping ligands or masked intracellular trapping ligands, which may differ;

and wherein:

10 N1 = 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, or about 10; N2 = 0, 1, 2, 3, 4, 5 or about 5;  
N3 = 0, 1, 2, 3, 4, 5, or about 5; N4 = 1, 2, 3, 4, 5, or about 5;  
N5 = 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, or about 10;  
N6 = 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, or about 10;

15 3.) A compound of claim 2 in which:

N1 = 1, 2, 3, or 4; N2 = 0, 1, or 2;  
N3 = 0, 1, or 2; N4 = 1, 2, or 3;  
N5 = 0, 1, 2, or 3; N6 = 1, 2, or 3;

20 4.) A compound of claim 3 wherein:

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20

5.) An anticancer drug of claim 4 in which the targeting ligands selectively bind to target receptors on the surface of the tumor cell or in the microenvironment of the tumor cell, wherein the concentration of the target receptor is greater on the surface

of the tumor cell or in the microenvironment of the tumor cell than on the surface or in the microenvironment of vital normal cells or normal cells.

5 6.) A compound of claim 4, with two targeting ligands that selectively bind to target receptors on the surface of the tumor cell or in the microenvironment of the tumor cell, wherein the concentration of the target receptors is greater on the surface of the tumor cell or in the microenvironment of the tumor cell than on the surface or in the microenvironment of vital normal cells or normal cells.

10 7.) A compound of claim 6 in which the targeting ligands are different and bind to different types of targeting receptors.

15 8.) A compound of claim 4, with three targeting ligands that selectively bind to target receptors on the surface of the tumor cell or in the microenvironment of the tumor cell, wherein the concentration of the target receptors is greater on the surface of the tumor cell or in the microenvironment of the tumor cell than on the surface or in the microenvironment of vital normal cells or normal cells.

20 9.) Anticancer drug of claim 4 comprised of two or more targeting ligands, wherein at least one of the targeting ligands binds to a target receptor on the surface of the target cell or in the microenvironment of the target cell, wherein the target has an increased amount of that target receptor compared to a nontarget cell that binds to a second targeting ligand of the compound.

10.) A compound of claim 4 in which the effector agent is comprised of a cytotoxic drug.

11.) A compound of claim 4 in which the effector agent is comprised of a  
5 radionuclide.

12.) A compound of claim 4 in which the effector agent is comprised of a drug that stimulates the immune system.

10 13.) A compound of claim 4 in which the effector agent is comprised of a group that can irreversibly chemically modify one or more tumor components.

15 14.) A compound of claim 4 in which ET is comprised of an anticancer drug with two targeting ligands at least one of which binds to a target receptor selected from the following list:

- 1) a cathepsin type protease
- 2) a collagenase
- 3) a gelatinase
- 4) a matrix metalloproteinase
- 20 5) a membrane type matrix metalloproteinase
- 6) alpha v beta 3 integrin
- 7) bombesin/gastrin releasing peptide receptors
- 8) cathepsin B
- 9) cathepsin D

- 10) cathepsin K
- 11) cathepsin L
- 12) cathepsin O
- 13) fibroblast activation protein
- 5 14) folate binding receptors
- 15) gastrin/cholecystokinin type B receptor
- 16) glutamate carboxypeptidase II or (PSMA)
- 17) guanidinobenzoatase
- 18) laminin receptor
- 10 19) matrilysin
- 20) matripase
- 21) melanocyte stimulating hormone receptor
- 22) nitrobenzylthioinosine-binding receptors
- 23) norepinephrine transporters
- 15 24) nucleoside transporter proteins
- 25) peripheral benzodiazepam binding receptors
- 26) plasmin
- 27) seprase
- 28) sigma receptors
- 20 29) somatostatin receptors
- 30) stromelysin 3
- 31) trypsin
- 32) urokinase
- 33) MMP 1

34) MMP 2

35) MMP 3

36) MMP 7

37) MMP 9

5 38) Membrane type matrix metalloproteinase I

39) MMP 12

40) MMP 13

10 15.) An anticancer drug of claim 4 comprised of one targeting ligand that binds the first target receptor (a1) and a second targeting ligand that binds to the second target receptor (a2) indicated in the pairs of (a1 --- a2) listed below:

urokinase --- a cathepsin type protease; urokinase --- a collagenase; urokinase --- a gelatinase; urokinase --- a matrix metalloproteinase; urokinase --- a membrane type matrix metalloproteinase; urokinase --- alpha v beta 3 integrin; urokinase ---

15 bombesin/gastrin releasing peptide receptors; urokinase --- cathepsin B; urokinase --- cathepsin D; urokinase --- to cathepsin K; urokinase --- cathepsin L; urokinase --- cathepsin O; urokinase --- fibroblast activation protein; urokinase --- folate binding receptors; urokinase --- gastrin/cholecystokinin type B receptor; urokinase --- glutamate carboxypeptidase II or (PSMA); urokinase ---

20 guanidinobenzoate; urokinase --- laminin receptor; urokinase --- matrilysin; urokinase --- matripase; urokinase --- melanocyte stimulating hormone receptor; urokinase --- nitrobenzylthioinosine-binding receptors or (nucleoside transporter); urokinase --- norepinephrine transporters; urokinase --- nucleoside transporter proteins; urokinase --- peripheral benzodiazepam binding receptors; urokinase ---

plasmin; urokinase --- seprase; urokinase --- sigma receptors; urokinase ---  
 somatostatin receptors; urokinase --- stromelysin 3; urokinase --- trypsin;  
 urokinase --- urokinase; urokinase --- MMP 1; urokinase --- MMP 2;  
 urokinase --- MMP 3; urokinase --- MMP 7; urokinase --- MMP 9; urokinase ---  
 5 membrane type matrix metalloproteinase I; urokinase --- MMP 12; urokinase ---  
 MMP 13; urokinase --- a tumor antigen; plasmin --- a cathepsin type protease;  
 plasmin --- a collagenase; plasmin --- a gelatinase; plasmin --- a matrix  
 metalloproteinase; plasmin --- a membrane type matrix metalloproteinase;  
 plasmin --- alpha v beta 3 integrin; plasmin --- bombesin /gastrin releasing peptide  
 10 receptors; plasmin --- cathepsin B; plasmin --- cathepsin D; plasmin --- to  
 cathepsin K; plasmin --- cathepsin L; plasmin --- cathepsin O; plasmin ---  
 fibroblast activation protein; plasmin --- folate binding receptors; plasmin ---  
 gastrin/cholecystokinin type B receptor; plasmin --- glutamate carboxypeptidase II  
 or (PSMA); plasmin --- guanidinobenzoatase; plasmin --- laminin receptor;  
 15 plasmin --- matrilysin; plasmin --- matripase; plasmin --- melanocyte stimulating  
 hormone receptor; plasmin --- nitrobenzylthioinosine-binding receptors or  
 (nucleoside transporter); plasmin --- norepinephrine transporters; plasmin ---  
 nucleoside transporter proteins; plasmin --- peripheral benzodiazepam binding  
 receptors; plasmin --- plasmin; plasmin --- seprase; plasmin --- sigma  
 20 receptors; plasmin --- somatostatin receptors; plasmin --- stromelysin 3;  
 plasmin --- trypsin; plasmin --- urokinase; plasmin --- MMP 1; plasmin --- MMP  
 2; plasmin --- MMP 3; plasmin --- MMP 7; plasmin --- MMP 9; plasmin ---  
 membrane type matrix metalloproteinase I; plasmin --- MMP 12; plasmin ---  
 MMP 13; plasmin --- a tumor antigen; a collagenase --- a cathepsin type



protease; a collagenase --- a collagenase; a collagenase --- a gelatinase; a  
 collagenase --- a matrix metalloproteinase; a collagenase --- a membrane type  
 matrix metalloproteinase; a collagenase --- alpha v beta 3 integrin; a  
 collagenase --- bombesin /gastrin releasing peptide receptors; a collagenase ---  
 5 cathepsin B; a collagenase --- cathepsin D; a collagenase --- to cathepsin K; a  
 collagenase --- cathepsin L; a collagenase --- cathepsin O; a collagenase ---  
 fibroblast activation protein; a collagenase --- folate binding receptors; a  
 collagenase --- gastrin/cholecystokinin type B receptor; a collagenase ---  
 glutamate carboxypeptidase II or (PSMA); a collagenase ---guanidinobenzoatase;  
 10 a collagenase --- laminin receptor; a collagenase --- matrilysin; a collagenase ---  
 matripase; a collagenase --- melanocyte stimulating hormone receptor;  
 a collagenase --- nitrobenzylthioinosine-binding receptors or (nucleoside  
 transporter); a collagenase --- norepinephrine transporters; a collagenase ---  
 nucleoside transporter proteins; a collagenase --- peripheral benzodiazepam  
 15 binding receptors; a collagenase --- seprase; a collagenase --- sigma receptors;  
 a collagenase --- somatostatin receptors; a collagenase --- stromelysin 3; a  
 collagenase --- trypsin; a collagenase --- a collagenase; a collagenase --- MMP 1;  
 a collagenase --- MMP 2; a collagenase --- MMP 3; a collagenase --- MMP 7;  
 a collagenase --- MMP 9; a collagenase --- membrane type matrix  
 20 metalloproteinase I; a collagenase --- MMP 12; a collagenase --- MMP 13;  
 a collagenase --- a tumor antigen; a gelatinase --- a cathepsin type protease;  
 a gelatinase --- a gelatinase; a gelatinase --- a matrix metalloproteinase;

- a gelatinase --- a membrane type matrix metalloproteinase; a gelatinase --- alpha v beta 3 integrin; a gelatinase --- bombesin /gastrin releasing peptide receptors; a gelatinase --- cathepsin B; a gelatinase --- cathepsin D; a gelatinase --- to cathepsin K; a gelatinase --- cathepsin L; a gelatinase --- cathepsin O;
- 5 a gelatinase --- fibroblast activation protein; a gelatinase --- folate binding receptors; a gelatinase --- gastrin/cholecystokinin type B receptor; a gelatinase -- glutamate carboxypeptidase II or (PSMA); a gelatinase---guanidinobenzoatase; a gelatinase --- laminin receptor; a gelatinase --- matrilysin; a gelatinase --- matrilysin; a gelatinase --- melanocyte stimulating hormone receptor; a
- 10 gelatinase --- nitrobenzylthioinosine-binding receptors or (nucleoside transporter); a gelatinase --- norepinephrine transporters; a gelatinase --- nucleoside transporter proteins; a gelatinase --- peripheral benzodiazepam binding receptors; a gelatinase --- seprase; a gelatinase --- sigma receptors; a gelatinase --- somatostatin receptors; a gelatinase --- stromelysin 3; a gelatinase --- trypsin;
- 15 a gelatinase --- MMP 1; a gelatinase --- MMP 2; a gelatinase --- MMP 3; a gelatinase --- MMP 7; a gelatinase --- MMP 9; a gelatinase --- membrane type matrix metalloproteinase I; a gelatinase --- MMP 12; a gelatinase --- MMP 13; a gelatinase --- a tumor antigen; a matrix metalloproteinase --- a cathepsin type protease; a matrix metalloproteinase --- a collagenase; a matrix
- 20 metalloproteinase --- a gelatinase; a matrix metalloproteinase --- a matrix metalloproteinase; a matrix metalloproteinase --- a membrane type matrix metalloproteinase; a matrix metalloproteinase --- alpha v beta 3 integrin; a matrix metalloproteinase --- bombesin/gastrin releasing peptide receptors; a matrix metalloproteinase --- cathepsin B; a matrix metalloproteinase --- cathepsin

D; a matrix metalloproteinase --- to cathepsin K; a matrix metalloproteinase ---  
 cathepsin L; a matrix metalloproteinase --- cathepsin O; a matrix  
 metalloproteinase --- fibroblast activation protein; a matrix metalloproteinase ---  
 folate binding receptors; a matrix metalloproteinase --- gastrin/cholecystokinin  
 5 type B receptor; a matrix metalloproteinase --- glutamate carboxypeptidase II or  
 (PSMA); a matrix metalloproteinase --- guanidinobenzoate; a matrix  
 metalloproteinase --- laminin receptor; a matrix metalloproteinase ---, matrilysin;  
 a matrix metalloproteinase --- matrilysin; a matrix metalloproteinase ---  
 melanocyte stimulating hormone receptor; a matrix metalloproteinase ---  
 10 nitrobenzylthioinosine-binding receptors or (nucleoside transporter); a matrix  
 metalloproteinase --- norepinephrine transporters; a matrix metalloproteinase ---  
 nucleoside transporter proteins; a matrix metalloproteinase --- peripheral  
 benzodiazepam binding receptors; a matrix metalloproteinase --- plasmin; a  
 matrix metalloproteinase --- seprase; a matrix metalloproteinase --- sigma  
 15 receptors; a matrix metalloproteinase --- somatostatin receptors; a matrix  
 metalloproteinase --- stromelysin 3; a matrix metalloproteinase --- trypsin; a  
 matrix metalloproteinase --- a matrix metalloproteinase; a matrix  
 metalloproteinase --- MMP 1; a matrix metalloproteinase --- MMP 2; a matrix  
 metalloproteinase --- MMP 3; a matrix metalloproteinase --- MMP 7; a matrix  
 20 metalloproteinase --- MMP 9; a matrix metalloproteinase --- membrane type  
 matrix metalloproteinase I; a matrix metalloproteinase --- MMP 12; a matrix  
 metalloproteinase --- MMP 13; a matrix metalloproteinase --- a tumor antigen; a  
 membrane type metalloproteinase --- a cathepsin type protease; a membrane  
 type metalloproteinase --- a membrane type matrix metalloproteinase; a

membrane type metalloproteinase --- alpha v beta 3 integrin; a membrane type metalloproteinase --- bombesin /gastrin releasing peptide receptors; a membrane type metalloproteinase --- cathepsin B; a membrane type metalloproteinase --- cathepsin D; a membrane type metalloproteinase --- to cathepsin K; a

5 membrane type metalloproteinase --- cathepsin L; a membrane type metalloproteinase --- cathepsin O; a membrane type metalloproteinase --- fibroblast activation protein; a membrane type metalloproteinase --- folate binding receptors; a membrane type metalloproteinase --- gastrin/cholecystokinin type B receptor; a membrane type metalloproteinase --- glutamate carboxypeptidase II

10 or (PSMA); a membrane type metalloproteinase --- guanidinobenzoate; a membrane type metalloproteinase --- laminin receptor; a membrane type metalloproteinase --- matrilysin; a membrane type metalloproteinase --- matrilysin; a membrane type metalloproteinase --- matrilysin; a membrane type metalloproteinase --- melanocyte stimulating hormone receptor; a membrane type metalloproteinase --- nitrobenzylthioinosine-

15 binding receptors or (nucleoside transporter); a membrane type metalloproteinase --- norepinephrine transporters; a membrane type metalloproteinase --- nucleoside transporter proteins; a membrane type metalloproteinase --- peripheral benzodiazepam binding receptors; a membrane type metalloproteinase ---

seprase; a membrane type metalloproteinase --- sigma receptors; a membrane type metalloproteinase --- somatostatin receptors; a membrane type

20 metalloproteinase --- stromelysin 3; a membrane type metalloproteinase --- trypsin; a membrane type metalloproteinase --- MMP 1; a membrane type metalloproteinase --- MMP 2; a membrane type metalloproteinase --- MMP 3; a membrane type metalloproteinase --- MMP 7; a membrane type

metalloproteinase --- MMP 9; a membrane type metalloproteinase --- membrane  
 type matrix metalloproteinase I; a membrane type metalloproteinase --- MMP 12;  
 a membrane type metalloproteinase --- MMP 13; a membrane type  
 metalloproteinase --- a tumor antigen; alpha v beta 3 integrin --- a cathepsin type  
 5 protease; alpha v beta 3 integrin --- alpha v beta 3 integrin; alpha v beta 3  
 integrin --- bombesin /gastrin releasing peptide receptors; alpha v beta 3 integrin -  
 -- cathepsin B; alpha v beta 3 integrin --- cathepsin D; alpha v beta 3 integrin ---  
 cathepsin K; alpha v beta 3 integrin --- cathepsin L; alpha v beta 3 integrin ---  
 cathepsin O; alpha v beta 3 integrin --- fibroblast activation protein; alpha v beta  
 10 3 integrin --- folate binding receptors; alpha v beta 3 integrin ---  
 gastrin/cholecystokinin type B receptor; alpha v beta 3 integrin --- glutamate  
 carboxypeptidase II or (PSMA); alpha v beta 3 integrin --- guanidinobenzoatase;  
 alpha v beta 3 integrin --- laminin receptor; alpha v beta 3 integrin --- matrilysin;  
 alpha v beta 3 integrin --- matrilysin;  
 15 alpha v beta 3 integrin --- melanocyte stimulating hormone receptor; alpha v beta  
 3 integrin --- nitrobenzylthioinosine-binding receptors or (nucleoside transporter);  
 alpha v beta 3 integrin --- norepinephrine transporters; alpha v beta 3 integrin ---  
 nucleoside transporter proteins; alpha v beta 3 integrin --- peripheral  
 benzodiazepam binding receptors; alpha v beta 3 integrin --- seprase;  
 20 alpha v beta 3 integrin --- sigma receptors; alpha v beta 3 integrin --- somatostatin  
 receptors; alpha v beta 3 integrin --- stromelysin 3; alpha v beta 3 integrin ---  
 trypsin; alpha v beta 3 integrin --- MMP 1; alpha v beta 3 integrin --- MMP 2;  
 alpha v beta 3 integrin --- MMP 3; alpha v beta 3 integrin --- MMP 7; alpha v  
 beta 3 integrin --- MMP 9; alpha v beta 3 integrin --- membrane type matrix

metalloproteinase I; alpha v beta 3 integrin --- MMP 12; alpha v beta 3 integrin ---  
 MMP 13; alpha v beta 3 integrin --- a tumor antigen; cathepsin B --- a cathepsin  
 type protease; cathepsin B --- bombesin /gastrin releasing peptide receptors;  
 cathepsin B --- cathepsin B; cathepsin B --- cathepsin D; cathepsin B --- to  
 5 cathepsin K; cathepsin B --- cathepsin L; cathepsin B --- cathepsin O;  
 cathepsin B --- fibroblast activation protein; cathepsin B --- folate binding  
 receptors; cathepsin B --- gastrin/cholecystokinin type B receptor; cathepsin B ---  
 glutamate carboxypeptidase II or (PSMA); cathepsin B --- guanidinobenzoate;  
 cathepsin B --- laminin receptor; cathepsin B --- matrilysin; cathepsin B ---  
 10 matipase; cathepsin B --- melanocyte stimulating hormone receptor; cathepsin  
 B --- nitrobenzylthioinosine-binding receptors or (nucleoside transporter);  
 cathepsin B --- norepinephrine transporters; cathepsin B --- nucleoside  
 transporter proteins; cathepsin B --- peripheral benzodiazepam binding receptors;  
 cathepsin B --- seprase; cathepsin B --- sigma receptors; cathepsin B ---  
 15 somatostatin receptors; cathepsin B --- stromelysin 3; cathepsin B --- trypsin;  
 cathepsin B --- MMP 1; cathepsin B --- MMP 2; cathepsin B --- MMP 3;  
 cathepsin B --- MMP 7; cathepsin B --- MMP 9; cathepsin B --- membrane type  
 matrix metalloproteinase I; cathepsin B --- MMP 12; cathepsin B --- MMP 13;  
 cathepsin B --- a tumor antigen; bombesin/gastrin releasing peptide receptors ---  
 20 a cathepsin type protease; bombesin/gastrin releasing peptide receptors ---  
 bombesin /gastrin releasing peptide receptors; bombesin/gastrin releasing  
 peptide receptors --- cathepsin B; bombesin/gastrin releasing peptide receptors --  
 - cathepsin D; bombesin/gastrin releasing peptide receptors --- to cathepsin K;  
 bombesin/gastrin releasing peptide receptors --- cathepsin L; bombesin/gastrin

releasing peptide receptors --- cathepsin O; bombesin/gastrin releasing peptide  
 receptors --- fibroblast activation protein; bombesin/gastrin releasing peptide  
 receptors --- folate binding receptors; bombesin/gastrin releasing peptide  
 receptors --- gastrin/cholecystokinin type B receptor; bombesin/gastrin releasing  
 5 peptide receptors --- glutamate carboxypeptidase II or (PSMA); bombesin/gastrin  
 releasing peptide receptors --- guanidinobenzoate; bombesin/gastrin releasing  
 peptide receptors --- laminin receptor; bombesin/gastrin releasing peptide  
 receptors --- matrilysin; bombesin/gastrin releasing peptide receptors ---  
 matrilysin; bombesin/gastrin releasing peptide receptors --- melanocyte  
 10 stimulating hormone receptor; bombesin/gastrin releasing peptide receptors ---  
 nitrobenzylthioinosine-binding receptors or (nucleoside transporter);  
 bombesin/gastrin releasing peptide receptors --- norepinephrine transporters;  
 bombesin/gastrin releasing peptide receptors --- nucleoside transporter proteins;  
 bombesin/gastrin releasing peptide receptors --- peripheral benzodiazepam binding  
 15 receptors; bombesin/gastrin releasing peptide receptors --- seprase;  
 bombesin/gastrin releasing peptide receptors --- sigma receptors;  
 bombesin/gastrin releasing peptide receptors --- somatostatin receptors;  
 bombesin/gastrin releasing peptide receptors --- stromelysin 3; bombesin/gastrin  
 releasing peptide receptors --- trypsin; bombesin/gastrin releasing peptide  
 20 receptors --- MMP 1; bombesin/gastrin releasing peptide receptors --- MMP 2;  
 bombesin/gastrin releasing peptide receptors --- MMP 3; bombesin/gastrin  
 releasing peptide receptors --- MMP 7; bombesin/gastrin releasing peptide  
 receptors --- MMP 9; bombesin/gastrin releasing peptide receptors --- membrane  
 type matrix metalloproteinase I; bombesin/gastrin releasing peptide receptors ---

MMP 12; bombesin/gastrin releasing peptide receptors --- MMP 13;

bombesin/gastrin releasing peptide receptors --- a tumor antigen; fibroblast

activation protein --- a cathepsin type protease; fibroblast activation protein ---

cathepsin D; fibroblast activation protein --- to cathepsin K; fibroblast activation

5 protein --- cathepsin L; fibroblast activation protein --- cathepsin O; fibroblast

activation protein --- fibroblast activation protein; fibroblast activation protein ---

folate binding receptors; fibroblast activation protein --- gastrin/cholecystokinin

type B receptor; fibroblast activation protein --- glutamate carboxypeptidase II or

(PSMA); fibroblast activation protein --- guanidinobenzoate; fibroblast

10 activation protein --- laminin receptor; fibroblast activation protein --- matrilysin;

fibroblast activation protein --- matrilysin; fibroblast activation protein ---

melanocyte stimulating hormone receptor; fibroblast activation protein ---

nitrobenzylthioinosine-binding receptors or (nucleoside transporter); fibroblast

15 activation protein --- norepinephrine transporters; fibroblast activation protein ---

nucleoside transporter proteins; fibroblast activation protein --- peripheral

benzodiazepam binding receptors; fibroblast activation protein --- plasmin;

fibroblast activation protein --- seprase; fibroblast activation protein --- sigma

receptors; fibroblast activation protein --- somatostatin receptors; fibroblast

activation protein --- stromelysin 3; fibroblast activation protein --- trypsin;

20 fibroblast activation protein --- MMP 1; fibroblast activation protein --- MMP 2;

fibroblast activation protein --- MMP 3; fibroblast activation protein --- MMP 7;

fibroblast activation protein --- MMP 9; fibroblast activation protein --- membrane

type matrix metalloproteinase I; fibroblast activation protein --- MMP 12;

fibroblast activation protein --- MMP 13; fibroblast activation protein --- a tumor



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glutamate carboxypeptidase II or PSMA --- MMP 13; glutamate carboxypeptidase II or PSMA --- a tumor antigen; laminin receptor --- a cathepsin type protease; laminin receptor --- cathepsin B; laminin receptor --- cathepsin D; laminin receptor --- to cathepsin K; laminin receptor --- cathepsin L; laminin receptor --- cathepsin O; laminin receptor --- fibroblast activation protein; laminin receptor --

5 - folate binding receptors; laminin receptor --- gastrin/cholecystokinin type B receptor; laminin receptor --- guanidinobenzoate; laminin receptor --- laminin receptor; laminin receptor --- matrilysin; laminin receptor --- matrilysin; laminin receptor --- melanocyte stimulating hormone receptor; laminin receptor ---

10 nitrobenzylthioinosine-binding receptors or (nucleoside transporter); laminin receptor --- norepinephrine transporters; laminin receptor --- nucleoside transporter proteins; laminin receptor --- peripheral benzodiazepam binding receptors; laminin receptor --- seprase; laminin receptor --- sigma receptors; laminin receptor --- somatostatin receptors; laminin receptor --- stromelysin 3;

15 laminin receptor --- trypsin; laminin receptor --- MMP 1; laminin receptor --- MMP 2; laminin receptor --- MMP 3; laminin receptor --- MMP 7; laminin receptor --- MMP 9; laminin receptor --- membrane type matrix metalloproteinase I; laminin receptor --- MMP 12; laminin receptor --- MMP 13; laminin receptor --

- a tumor antigen; seprase --- a cathepsin type protease; seprase --- cathepsin D; seprase --- to cathepsin K; seprase --- cathepsin L; seprase --- cathepsin O; seprase --- fibroblast activation protein; seprase --- folate binding receptors; seprase --- gastrin/cholecystokinin type B receptor; seprase ---

20 guanidinobenzoate; seprase --- matrilysin; seprase --- melanocyte stimulating hormone receptor; seprase --- nitrobenzylthioinosine-binding

receptors or (nucleoside transporter); seprase --- norepinephrine transporters;  
 seprase --- nucleoside transporter proteins; seprase --- peripheral benzodiazepam  
 binding receptors; seprase --- seprase; seprase --- sigma receptors; seprase ---  
 somatostatin receptors; seprase --- stromelysin 3; seprase --- trypsin; seprase  
 5 --- MMP 1; seprase --- MMP 2; seprase --- MMP 3; seprase --- MMP 7;  
 seprase --- MMP 9; seprase --- membrane type matrix metalloproteinase I;  
 seprase --- MMP 12; seprase --- MMP 13; seprase --- a tumor antigen;  
 guanidinobenzoatase --- a cathepsin type protease; guanidinobenzoatase ---  
 cathepsin D; guanidinobenzoatase --- to cathepsin K; guanidinobenzoatase ---  
 10 cathepsin L; guanidinobenzoatase --- cathepsin O; guanidinobenzoatase ---  
 fibroblast activation protein; guanidinobenzoatase --- folate binding receptors;  
 guanidinobenzoatase --- gastrin/cholecystokinin type B receptor;  
 guanidinobenzoatase --- guanidinobenzoatase; guanidinobenzoatase ---  
 matipase; guanidinobenzoatase --- melanocyte stimulating hormone receptor;  
 15 guanidinobenzoatase --- nitrobenzylthioinosine-binding receptors or (nucleoside  
 transporter); guanidinobenzoatase --- norepinephrine transporters;  
 guanidinobenzoatase --- nucleoside transporter proteins; guanidinobenzoatase ---  
 peripheral benzodiazepam binding receptors; guanidinobenzoatase --- sigma  
 receptors; guanidinobenzoatase --- somatostatin receptors;  
 20 guanidinobenzoatase --- stromelysin 3; guanidinobenzoatase --- trypsin;  
 guanidinobenzoatase --- MMP 1; guanidinobenzoatase --- MMP 2;  
 guanidinobenzoatase --- MMP 3; guanidinobenzoatase --- MMP 7;  
 guanidinobenzoatase --- MMP 9; guanidinobenzoatase --- membrane type matrix  
 metalloproteinase I; guanidinobenzoatase --- MMP 12; guanidinobenzoatase ---

MMP 13; guanidinobenzoate --- a tumor antigen; peripheral benzodiazepam binding receptors --- a cathepsin type protease; peripheral benzodiazepam binding receptors --- cathepsin D; peripheral benzodiazepam binding receptors --- to cathepsin K; peripheral benzodiazepam binding receptors --- cathepsin L; 5 peripheral benzodiazepam binding receptors --- cathepsin O; peripheral benzodiazepam binding receptors --- fibroblast activation protein; peripheral benzodiazepam binding receptors --- folate binding receptors; peripheral benzodiazepam binding receptors --- gastrin/cholecystokinin type B receptor; peripheral benzodiazepam binding receptors --- guanidinobenzoate; peripheral benzodiazepam binding receptors --- matrilysin; peripheral benzodiazepam binding receptors --- melanocyte stimulating hormone receptor; peripheral benzodiazepam binding receptors --- nitrobenzylthioinosine-binding receptors or (nucleoside transporter); peripheral benzodiazepam binding receptors --- norepinephrine transporters; peripheral benzodiazepam binding receptors --- 10 nucleoside transporter proteins; peripheral benzodiazepam binding receptors --- peripheral benzodiazepam binding receptors; peripheral benzodiazepam binding receptors --- sigma receptors; peripheral benzodiazepam binding receptors --- somatostatin receptors; peripheral benzodiazepam binding receptors --- stromelysin 3; peripheral benzodiazepam binding receptors --- trypsin; 15 peripheral benzodiazepam binding receptors --- MMP 1; peripheral benzodiazepam binding receptors --- MMP 2; peripheral benzodiazepam binding receptors --- MMP 3; peripheral benzodiazepam binding receptors --- MMP 7; peripheral benzodiazepam binding receptors --- MMP 9; peripheral benzodiazepam binding receptors --- membrane type matrix metalloproteinase 1;

peripheral benzodiazepam binding receptors --- MMP 12; peripheral  
 benzodiazepam binding receptors --- MMP 13; peripheral benzodiazepam binding  
 receptors --- a tumor antigen; folate binding receptors --- a cathepsin type protease;  
 folate binding receptors --- cathepsin D; folate binding receptors --- to cathepsin K;  
 5 folate binding receptors --- cathepsin L; folate binding receptors --- cathepsin O;  
 folate binding receptors --- fibroblast activation protein; folate binding receptors ---  
 folate binding receptors; folate binding receptors --- matripase; folate binding  
 receptors --- melanocyte stimulating hormone receptor; folate binding receptors --  
 - nitrobenzylthioinosine-binding receptors or (nucleoside transporter); folate  
 10 binding receptors --- norepinephrine transporters; folate binding receptors ---  
 nucleoside transporter proteins; folate binding receptors --- sigma receptors;  
 folate binding receptors --- somatostatin receptors; folate binding receptors ---  
 stromelysin 3; folate binding receptors --- trypsin; folate binding receptors ---  
 MMP 1; folate binding receptors --- MMP 2; folate binding receptors --- MMP 3;  
 15 folate binding receptors --- MMP 7; folate binding receptors --- MMP 9; folate  
 binding receptors --- membrane type matrix metalloproteinase I; folate binding  
 receptors --- MMP 12; folate binding receptors --- MMP 13; folate binding  
 receptors --- a tumor antigen; folate binding receptors --- a cathepsin type protease;  
 folate binding receptors --- cathepsin D; folate binding receptors --- to cathepsin K;  
 20 folate binding receptors --- cathepsin L; folate binding receptors --- cathepsin O;  
 folate binding receptors --- fibroblast activation protein; folate binding receptors ---  
 folate binding receptors; folate binding receptors --- matripase; folate binding  
 receptors --- melanocyte stimulating hormone receptor; folate binding receptors --  
 - nitrobenzylthioinosine-binding receptors or (nucleoside transporter); folate

binding receptors --- norepinephrine transporters; folate binding receptors ---  
 nucleoside transporter proteins; folate binding receptors --- sigma receptors;  
 folate binding receptors --- somatostatin receptors; folate binding receptors ---  
 stromelysin 3; folate binding receptors --- trypsin; folate binding receptors ---

- 5 MMP 1; folate binding receptors --- MMP 2; folate binding receptors --- MMP 3;  
 folate binding receptors --- MMP 7; folate binding receptors --- MMP 9; folate  
 binding receptors --- membrane type matrix metalloproteinase I; folate binding  
 receptors --- MMP 12; folate binding receptors --- MMP 13; folate binding  
 receptors --- a tumor antigen; nucleoside transporter proteins --- a cathepsin type  
 10 protease; nucleoside transporter proteins --- cathepsin D; nucleoside  
 transporter proteins --- to cathepsin K; nucleoside transporter proteins ---  
 cathepsin L; nucleoside transporter proteins --- cathepsin O; nucleoside  
 transporter proteins --- fibroblast activation protein; nucleoside transporter  
 proteins --- nucleoside transporter proteins; nucleoside transporter proteins ---  
 15 matipase; nucleoside transporter proteins --- melanocyte stimulating hormone  
 receptor; nucleoside transporter proteins --- nitrobenzylthioinosine-binding  
 receptors or (nucleoside transporter); nucleoside transporter proteins ---  
 norepinephrine transporters; nucleoside transporter proteins --- nucleoside  
 transporter proteins; nucleoside transporter proteins --- sigma receptors;  
 20 nucleoside transporter proteins --- somatostatin receptors; nucleoside transporter  
 proteins --- stromelysin 3; nucleoside transporter proteins --- trypsin; nucleoside  
 transporter proteins --- MMP 1; nucleoside transporter proteins --- MMP 2;  
 nucleoside transporter proteins --- MMP 3; nucleoside transporter proteins ---  
 MMP 7; nucleoside transporter proteins --- MMP 9; nucleoside transporter

proteins --- membrane type matrix metalloproteinase I; nucleoside transporter  
 proteins --- MMP 12; nucleoside transporter proteins --- MMP 13; nucleoside  
 transporter proteins --- a tumor antigen; melanocyte stimulating hormone receptor --  
 - a cathepsin type protease; melanocyte stimulating hormone receptor ---  
 5 cathepsin D; melanocyte stimulating hormone receptor --- to cathepsin K;  
 melanocyte stimulating hormone receptor --- cathepsin L; melanocyte stimulating  
 hormone receptor --- cathepsin O; melanocyte stimulating hormone receptor ---  
 fibroblast activation protein; melanocyte stimulating hormone receptor ---  
 melanocyte stimulating hormone receptor; melanocyte stimulating hormone  
 10 receptor --- melanocyte stimulating hormone receptor; melanocyte stimulating  
 hormone receptor --- nitrobenzylthioinosine-binding receptors or (nucleoside  
 transporter); melanocyte stimulating hormone receptor --- norepinephrine  
 transporters; melanocyte stimulating hormone receptor --- nucleoside transporter  
 proteins; melanocyte stimulating hormone receptor --- sigma receptors;  
 15 melanocyte stimulating hormone receptor --- somatostatin receptors; melanocyte  
 stimulating hormone receptor --- stromelysin 3; melanocyte stimulating hormone  
 receptor --- trypsin; melanocyte stimulating hormone receptor --- MMP 1;  
 melanocyte stimulating hormone receptor --- MMP 2; melanocyte stimulating  
 hormone receptor --- MMP 3; melanocyte stimulating hormone receptor --- MMP  
 20 7; melanocyte stimulating hormone receptor --- MMP 9; melanocyte stimulating  
 hormone receptor --- membrane type matrix metalloproteinase I; melanocyte  
 stimulating hormone receptor --- MMP 12; melanocyte stimulating hormone  
 receptor --- MMP 13; melanocyte stimulating hormone receptor --- a tumor  
 antigen; sigma receptors --- a cathepsin type protease; sigma receptors ---

cathepsin D; sigma receptors --- to cathepsin K; sigma receptors --- cathepsin L; sigma receptors --- cathepsin O; sigma receptors --- fibroblast activation protein; sigma receptors --- sigma receptors; sigma receptors --- matrilysin; sigma receptors --- norepinephrine transporters; sigma receptors --- sigma

5 receptors; sigma receptors --- somatostatin receptors; sigma receptors --- stromelysin 3; sigma receptors --- trypsin; sigma receptors --- MMP 1; sigma receptors --- MMP 2; sigma receptors --- MMP 3; sigma receptors --- MMP 7; sigma receptors --- MMP 9; sigma receptors --- membrane type matrix metalloproteinase 1; sigma receptors --- MMP 12; sigma receptors --- MMP 13;

10 sigma receptors --- a tumor antigen; somatostatin receptors --- a cathepsin type protease; somatostatin receptors --- cathepsin D; somatostatin receptors --- to cathepsin K; somatostatin receptors --- cathepsin L; somatostatin receptors --- cathepsin O; somatostatin receptors --- fibroblast activation protein;

15 somatostatin receptors --- somatostatin receptors; somatostatin receptors --- matrilysin; somatostatin receptors --- melanocyte stimulating hormone receptor; somatostatin receptors --- sigma receptors; somatostatin receptors --- somatostatin receptors; somatostatin receptors --- stromelysin 3; somatostatin receptors --- trypsin; somatostatin receptors --- MMP 1; somatostatin receptors --- MMP 2; somatostatin receptors --- MMP 3; somatostatin receptors --- MMP 7;

20 somatostatin receptors --- MMP 9; somatostatin receptors --- membrane type matrix metalloproteinase 1; somatostatin receptors --- MMP 12; somatostatin receptors --- MMP 13; somatostatin receptors --- a tumor antigen; stromelysin 3 --- a cathepsin type protease; stromelysin 3 --- cathepsin D; stromelysin 3 --- to cathepsin K; stromelysin 3 --- cathepsin L; stromelysin 3 --- cathepsin O;



- stromelysin 3 --- fibroblast activation protein; stromelysin 3 --- stromelysin 3;  
stromelysin 3 --- matipase; stromelysin 3 --- melanocyte stimulating hormone  
receptor; stromelysin 3 --- somatostatin receptors; stromelysin 3 --- trypsin;  
stromelysin 3 --- MMP 1; stromelysin 3 --- MMP 2; stromelysin 3 --- MMP 3;  
5 stromelysin 3 --- MMP 7; stromelysin 3 --- MMP 9; stromelysin 3 --- membrane  
type matrix metalloproteinase I; stromelysin 3 --- MMP 12; stromelysin 3 --- MMP  
13; stromelysin 3 --- a tumor antigen; trypsin --- a cathepsin type protease;  
trypsin --- cathepsin D; trypsin --- to cathepsin K; trypsin --- cathepsin L;  
trypsin --- cathepsin O; trypsin --- fibroblast activation protein; trypsin --- trypsin;  
10 trypsin --- matipase; trypsin --- melanocyte stimulating hormone receptor;  
trypsin --- stromelysin 3; trypsin --- MMP 1; trypsin --- MMP 2; trypsin --- MMP  
3; trypsin --- MMP 7; trypsin --- MMP 9; trypsin --- membrane type matrix  
metalloproteinase I; trypsin --- MMP 12; trypsin --- MMP 13; trypsin --- a tumor  
antigen; MMP 1 --- a cathepsin type protease; MMP 1 --- cathepsin D; MMP 1  
15 --- to cathepsin K; MMP 1 --- cathepsin L; MMP 1 --- cathepsin O; MMP 1 ---  
fibroblast activation protein; MMP 1 --- matipase; MMP 1 --- melanocyte  
stimulating hormone receptor; MMP 1 --- stromelysin 3; MMP 1 --- MMP 1;  
MMP 1 --- MMP 2; MMP 1 --- MMP 3; MMP 1 --- MMP 7; MMP 1 --- MMP 9;  
MMP 1 --- membrane type matrix metalloproteinase I; MMP 1 --- MMP 12; MMP  
20 1 --- MMP 13; MMP 1 --- a tumor antigen; MMP-2 --- a cathepsin type protease;  
MMP-2 --- cathepsin D; MMP-2 --- to cathepsin K; MMP-2 --- cathepsin L;  
MMP-2 --- cathepsin O; MMP-2 --- fibroblast activation protein; MMP-2 ---  
matipase; MMP-2 --- melanocyte stimulating hormone receptor; MMP-2 ---  
stromelysin 3; MMP-2 --- MMP 2; MMP-2 --- MMP 3; MMP-2 --- MMP 7;

- MMP-2 --- MMP 9; MMP-2 --- membrane type matrix metalloproteinase I; MMP-2 --- MMP-2; MMP-2 --- MMP-3; MMP-2 --- a tumor antigen; MMP-3 --- a cathepsin type protease; MMP-3 --- cathepsin D; MMP-3 --- to cathepsin K; MMP-3 --- cathepsin L; MMP-3 --- cathepsin O; MMP-3 --- matipase; MMP-3 ---
- 5 MMP 3; MMP-3 --- MMP 7; MMP-3 --- MMP 9; MMP-3 --- membrane type matrix metalloproteinase I; MMP-3 --- MMP-3; MMP-3 --- a tumor antigen; MMP 7 --- a cathepsin type protease; MMP 7 --- cathepsin D; MMP 7 --- to cathepsin K; MMP 7 --- cathepsin L; MMP 7 --- cathepsin O; MMP 7 --- fibroblast activation protein; MMP 7 --- matipase; MMP 7 --- stromelysin 3;
- 10 MMP 7 --- MMP 7; MMP 7 --- MMP 9; MMP 7 --- membrane type matrix metalloproteinase I; MMP 7 --- a tumor antigen; MMP 9 --- a cathepsin type protease; MMP 9 --- cathepsin D; MMP 9 --- to cathepsin K; MMP 9 --- cathepsin L; MMP 9 --- cathepsin O; MMP 9 --- matipase; MMP 9 --- MMP 9; MMP 9 --- membrane type matrix metalloproteinase I; MMP 9 --- a tumor antigen;
- 15 MMP 12 --- a cathepsin type protease; MMP 12 --- cathepsin D; MMP 12 --- to cathepsin K; MMP 12 --- cathepsin L; MMP 12 --- cathepsin O; MMP 12 --- matipase; MMP 12 --- MMP 2; MMP 12 --- membrane type matrix metalloproteinase I; MMP 12 --- a tumor antigen; MMP 13 --- a cathepsin type protease; MMP 13 --- cathepsin D; MMP 13 --- to cathepsin K; MMP 13 ---
- 20 cathepsin L; MMP 13 --- cathepsin O; MMP 13 --- matipase; MMP 13 --- membrane type matrix metalloproteinase I; MMP 13 --- a tumor antigen; Membrane type matrix metalloproteinase --- a cathepsin type protease; Membrane type matrix metalloproteinase --- cathepsin D; Membrane type matrix metalloproteinase --- to cathepsin K; Membrane type matrix metalloproteinase ---

cathepsin L; Membrane type matrix metalloproteinase --- cathepsin O;  
Membrane type matrix metalloproteinase --- matipase; Membrane type matrix  
metalloproteinase --- membrane type matrix metalloproteinase I; and Membrane  
type matrix metalloproteinase --- a tumor antigen.

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16.) A compound of claim 15 that is also comprised of a third targeting ligand  
receptor that binds to a receptor that is present at increased amounts at a tumor  
cell compared to at a normal cell.

10 17.) A compound of claim 16 in which the third targeting ligand binds to PSMA or  
glutamate carboxypeptidase II.

15 18.) A compound of claim 4 in which the effector agent of ET is comprised of a  
group with the structure RN-L-V, wherein RN is a group that binds to the target  
biomolecule referred to as "rn"; and L is a linker, and V is a group that can  
covalently modify the target rn; and wherein RN-L-V can bind to rn and irreversibly  
chemically modify rn.

20 19.) A compound of claim 18 in which V is comprised of a chemical group that  
generates free radicals and wherein the generated free radicals irreversibly  
chemically modify the target biomolecule rn.

25 20.) A compound of claim 19 in which the free radical generator V is a non-  
radioactive metal- chelator complex.

21.) A compound of claim 13 in which the effector agent is comprised of a structure that is modified by the enzymatic activity of a biomolecule and wherein this modification inactivates said biomolecule and in the process irreversibly chemically modifies said biomolecule.

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22.) A compound of claim 4 further comprising a second group wherein said second group binds to a receptor present in increased amounts at a target cell compared to at a non-target cell and wherein said second group is comprised of:

- I. a monoclonal antibody; or
- 10 II. targeting receptor binding fragment of a monoclonal antibody; or
- III. an analog or derivative which bears amino acid sequence similarity to portions of a monoclonal antibody; or
- IV. a natural protein, or a complex of natural proteins, or a protein; or
- V. a naturally occurring polymer.

15

23.) A compound with a group, referred to as a "masked intracellular transport ligand" which can be modified in vivo to give a group referred to as an "intracellular transport ligand" which binds to a cell receptor that actively transports bound ligands into the cell.

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24.) A method of stimulating an immune response against a tumor and for treating a patient with cancer which comprises the following steps:

- I. Immunizing or sensitizing a patient to a compound referred to as a
- 25 neoantigen; and

II. Administering to the patient a compound referred to as a neoantigen generating compound; wherein said compound can irreversibly chemically modify a component of the tumor resulting in the generation of said neoantigen at the tumor.

5 25.) A method of claim 24, in which the tumor component modified is selected from the following list:

- 1) Prostate specific Antigen
- 2) Human glandular kallikrein 2
- 3) Prostatic acid phosphatase
- 10 4) Plasmin
- 5) Placental type alkaline phosphatase
- 6) Matriptase
- 7) Matrix metalloproteinases
- 8) Thymidine phosphorylase
- 15 9) Trypsin
- 10) Urokinase
- 11) Fatty Acid Synthase
- 12) Steroid sulfatase
- 13) Epidermal growth factor receptor
- 20 14) Mitogen activated protein kinase kinase
- 15) Phosphatidylinositol 3-kinase
- 16) Mitogen activated protein kinase
- 17) Mitogen activated protein kinase
- 18) Thymidylate synthase
- 25 19) Protein kinase A
- 20) Fibroblast activation protein/ seprase
- 21) P-glycoprotein

26.) A method of stimulating an immune response against a tumor and for treating a patient with cancer which comprises the following steps:

- I. Immunizing or sensitizing a patient to a compound referred to as a neoantigen; and
- 5      II. Administering to the patient a compound of claim 13 referred to as a neoantigen generating compound; wherein said compound can irreversibly chemically modify a component of the tumor resulting in the generation of said neoantigen at the tumor.

27.) A set of anticancer drugs referred to as "E1T1" and "E2T2" for use together or  
 10 for co-administration to a patient, wherein E1 and E2 are effector agents that exhibit synergistic toxicity to a cell; and wherein T1 comprises a targeting ligand that binds to a first target receptor and T2 comprises a second targeting ligand that binds to the second target receptor which is increased on a tumor cell compared to a normal cell and where the first targeting ligand binds to a targeting receptor selected from  
 15 the following list:

- 1) a cathepsin type protease
- 2) a collagenase
- 3) a gelatinase
- 4) a matrix metalloproteinase
- 20      5) a membrane type matrix metalloproteinase
- 6) alpha v beta 3 integrin
- 7) bombesin /gastrin releasing peptide receptors
- 8) cathepsin B

- 9) cathepsin D
- 10) cathepsin K
- 11) cathepsin L
- 12) cathepsin O
- 5 13) fibroblast activation protein
- 14) folate binding receptors
- 15) gastrin/cholecystokinin type B receptor
- 16) glutamate carboxypeptidase II or (PSMA)
- 17) guanidinobenzoatase
- 10 18) laminin receptor
- 19) matrilysin
- 20) matrilysin
- 21) melanocyte stimulating hormone receptor
- 22) nitrobenzylthioinosine-binding receptors
- 15 23) norepinephrine transporters
- 24) nucleoside transporter proteins
- 25) peripheral benzodiazepam binding receptors
- 26) plasmin
- 27) seprase
- 20 28) sigma receptors
- 29) somatostatin receptors
- 30) stromelysin 3
- 31) trypsin
- 32) urokinase

- 33) MMP 1
- 34) MMP 2
- 35) MMP 3
- 36) MMP 7
- 5 37) MMP 9
- 38) Membrane type matrix metalloproteinase I
- 39) MMP 12
- 40) MMP 13

10 28.) A set of compounds of claim 27 wherein the effector agent E1 inhibits the denovo synthesis of a biomolecule(s) that is necessary for cell replication and/or survival, and the effector agent E2 inhibits a salvage pathway(s) that can enable a cell to by- pass the metabolic block caused by E1.

15 29.) A set of compounds of E1T1 and E2T2 of claim 28 wherein T1 comprises a targeting ligand that binds to the first target receptor (a1); and T2 comprises a second targeting ligand that binds to the second target receptor (a2) indicated in the pairs of (a1 --- a2) listed below:

- 1) urokinase --- a cathepsin type protease;
- 20 2) urokinase --- a collagenase;
- 3) urokinase --- a gelatinase;
- 4) urokinase --- a matrix metalloproteinase;
- 5) urokinase --- a membrane type matrix metalloproteinase;
- 6) urokinase --- alpha v beta 3 integrin;



- 7) urokinase --- bombesin /gastrin releasing peptide receptors;
- 8) urokinase --- cathepsin B;
- 9) urokinase --- cathepsin D;
- 10) urokinase --- to cathepsin K;
- 5 11) urokinase --- cathepsin L;
- 12) urokinase --- cathepsin O;
- 13) urokinase --- fibroblast activation protein;
- 14) urokinase --- folate binding receptors;
- 15) urokinase --- gastrin/cholecystokinin type B receptor;
- 10 16) urokinase --- glutamate carboxypeptidase II or (PSMA);
- 17) urokinase --- guanidinobenzoatase;
- 18) urokinase --- laminin receptor;
- 19) urokinase --- matrilysin;
- 20) urokinase --- matripase;
- 15 21) urokinase --- melanocyte stimulating hormone receptor;
- 22) urokinase --- nitrobenzylthioinosine-binding receptors or (nucleoside transporter);
- 23) urokinase --- norepinephrine transporters;
- 24) urokinase --- nucleoside transporter proteins;
- 20 25) urokinase --- peripheral benzodiazepam binding receptors;
- 26) urokinase --- plasmin;
- 27) urokinase --- seprase;
- 28) urokinase --- sigma receptors;
- 29) urokinase --- somatostatin receptors;

- 5 30) urokinase --- stromelysin 3;  
31) urokinase --- trypsin;  
32) urokinase --- urokinase;  
33) urokinase --- MMP 1;  
34) urokinase --- MMP 2;  
35) urokinase --- MMP 3;  
36) urokinase --- MMP 7;  
37) urokinase --- MMP 9;  
38) urokinase --- membrane type matrix metalloproteinase 1;  
10 39) urokinase --- MMP 12;  
40) urokinase --- MMP 13;  
41) urokinase --- a tumor antigen;  
42) plasmin --- a cathepsin type protease;  
43) plasmin --- a collagenase;  
15 44) plasmin --- a gelatinase;  
45) plasmin --- a matrix metalloproteinase;  
46) plasmin --- a membrane type matrix metalloproteinase;  
47) plasmin --- alpha v beta 3 integrin;  
48) plasmin --- bombesin /gastrin releasing peptide receptors;  
20 49) plasmin --- cathepsin B;  
50) plasmin --- cathepsin D;  
51) plasmin --- to cathepsin K;  
52) plasmin --- cathepsin L;  
53) plasmin --- cathepsin O;

- 54) plasmin --- fibroblast activation protein;
- 55) plasmin --- folate binding receptors;
- 56) plasmin --- gastrin/cholecystokinin type B receptor;
- 57) plasmin --- glutamate carboxypeptidase II or (PSMA);
- 5 58) plasmin --- guanidinobenzoatase;
- 59) plasmin --- laminin receptor;
- 60) plasmin --- matrilysin;
- 61) plasmin --- matipase;
- 62) plasmin --- melanocyte stimulating hormone receptor;
- 10 63) plasmin --- nitrobenzylthioinosine-binding receptors or (nucleoside transporter);
- 64) plasmin --- norepinephrine transporters;
- 65) plasmin --- nucleoside transporter proteins;
- 66) plasmin --- peripheral benzodiazepam binding receptors;
- 15 67) plasmin --- plasmin;
- 68) plasmin --- seprase;
- 69) plasmin --- sigma receptors;
- 70) plasmin --- somatostatin receptors;
- 71) plasmin --- stromelysin 3;
- 20 72) plasmin --- trypsin;
- 73) plasmin --- urokinase;
- 74) plasmin --- MMP 1;
- 75) plasmin --- MMP 2;
- 76) plasmin --- MMP 3;

- 5
- 77) plasmin --- MMP 7;
- 78) plasmin --- MMP 9;
- 79) plasmin --- membrane type matrix metalloproteinase I ;
- 80) plasmin --- MMP 12;
- 81) plasmin --- MMP 13;
- 82) plasmin --- a tumor antigen;
- 83) a collagenase --- a cathepsin type protease;
- 84) a collagenase --- a collagenase;
- 85) a collagenase --- a gelatinase;
- 10
- 86) a collagenase --- a matrix metalloproteinase;
- 87) a collagenase --- a membrane type matrix metalloproteinase;
- 88) a collagenase --- alpha v beta 3 integrin;
- 89) a collagenase --- bombesin /gastrin releasing peptide receptors;
- 90) a collagenase --- cathepsin B;
- 15
- 91) a collagenase --- cathepsin D;
- 92) a collagenase --- to cathepsin K;
- 93) a collagenase --- cathepsin L;
- 94) a collagenase --- cathepsin O;
- 95) a collagenase --- fibroblast activation protein;
- 20
- 96) a collagenase --- folate binding receptors;
- 97) a collagenase --- gastrin/cholecystokinin type B receptor;
- 98) a collagenase --- glutamate carboxypeptidase II or (PSMA);
- 99) a collagenase --- guanidinobenzoatase;
- 100) a collagenase --- laminin receptor;

- 5
- 101) a collagenase --- matrilysin;
- 102) a collagenase --- matripase;
- 103) a collagenase --- melanocyte stimulating hormone receptor;
- 104) a collagenase --- nitrobenzylthioinosine-binding receptors or  
(nucleoside transporter);
- 105) a collagenase --- norepinephrine transporters;
- 106) a collagenase --- nucleoside transporter proteins;
- 107) a collagenase --- peripheral benzodiazepam binding receptors;
- 108) a collagenase --- seprase;
- 10
- 109) a collagenase --- sigma receptors;
- 110) a collagenase --- somatostatin receptors;
- 111) a collagenase --- stromelysin 3;
- 112) a collagenase --- trypsin;
- 113) a collagenase --- a collagenase;
- 15
- 114) a collagenase --- MMP 1;
- 115) a collagenase --- MMP 2;
- 116) a collagenase --- MMP 3;
- 117) a collagenase --- MMP 7;
- 118) a collagenase --- MMP 9;
- 20
- 119) a collagenase --- membrane type matrix metalloproteinase I;
- 120) a collagenase --- MMP 12;
- 121) a collagenase --- MMP 13;
- 122) a collagenase --- a tumor antigen;
- 123) a gelatinase --- a cathepsin type protease;

- 124) a gelatinase --- a gelatinase;
- 125) a gelatinase --- a matrix metalloproteinase;
- 126) a gelatinase --- a membrane type matrix metalloproteinase;
- 127) a gelatinase --- alpha v beta 3 integrin;
- 5 128) a gelatinase --- bombesin /gastrin releasing peptide receptors;
- 129) a gelatinase --- cathepsin B;
- 130) a gelatinase --- cathepsin D;
- 131) a gelatinase --- to cathepsin K;
- 132) a gelatinase --- cathepsin L;
- 10 133) a gelatinase --- cathepsin O;
- 134) a gelatinase --- fibroblast activation protein;
- 135) a gelatinase --- folate binding receptors;
- 136) a gelatinase --- gastrin/cholecystokinin type B receptor;
- 137) a gelatinase --- glutamate carboxypeptidase II or (PSMA);
- 15 138) a gelatinase --- guanidinobenzoatase;
- 139) a gelatinase --- laminin receptor;
- 140) a gelatinase --- matrilysin;
- 141) a gelatinase --- matripase;
- 142) a gelatinase --- melanocyte stimulating hormone receptor;
- 20 143) a gelatinase --- nitrobenzylthioinosine-binding receptors or  
(nucleoside transporter);
- 144) a gelatinase --- norepinephrine transporters;
- 145) a gelatinase --- nucleoside transporter proteins;
- 146) a gelatinase --- peripheral benzodiazepam binding receptors;

- 5 147) a gelatinase --- seprase;
- 148) a gelatinase --- sigma receptors;
- 149) a gelatinase --- somatostatin receptors;
- 150) a gelatinase --- stromelysin 3;
- 151) a gelatinase --- trypsin;
- 152) a gelatinase --- MMP 1;
- 153) a gelatinase --- MMP 2;
- 154) a gelatinase --- MMP 3;
- 155) a gelatinase --- MMP 7;
- 10 156) a gelatinase --- MMP 9;
- 157) a gelatinase --- membrane type matrix metalloproteinase I;
- 158) a gelatinase --- MMP 12;
- 159) a gelatinase --- MMP 13;
- 160) a gelatinase --- a tumor antigen;
- 15 161) a matrix metalloproteinase --- a cathepsin type protease;
- 162) a matrix metalloproteinase --- a collagenase;
- 163) a matrix metalloproteinase --- a gelatinase;
- 164) a matrix metalloproteinase --- a matrix metalloproteinase;
- 165) a matrix metalloproteinase --- a membrane type matrix
- 20 metalloproteinase;
- 166) a matrix metalloproteinase --- alpha v beta 3 integrin;
- 167) a matrix metalloproteinase --- bombesin /gastrin releasing peptide receptors;
- 168) a matrix metalloproteinase --- cathepsin B;

- 169) a matrix metalloproteinase --- cathepsin D;
- 170) a matrix metalloproteinase --- to cathepsin K;
- 171) a matrix metalloproteinase --- cathepsin L;
- 172) a matrix metalloproteinase --- cathepsin O;
- 5 173) a matrix metalloproteinase --- fibroblast activation protein;
- 174) a matrix metalloproteinase --- folate binding receptors;
- 175) a matrix metalloproteinase --- gastrin/cholecystokinin type B receptor;
- 176) a matrix metalloproteinase --- glutamate carboxypeptidase II or  
(PSMA);
- 10 177) a matrix metalloproteinase --- guanidinobenzoate;
- 178) a matrix metalloproteinase --- laminin receptor;
- 179) a matrix metalloproteinase --- matrilysin;
- 180) a matrix metalloproteinase --- matrilysin;
- 181) a matrix metalloproteinase --- melanocyte stimulating hormone  
15 receptor;
- 182) a matrix metalloproteinase --- nitrobenzylthioinosine-binding receptors  
or (nucleoside transporter);
- 183) a matrix metalloproteinase --- norepinephrine transporters;
- 184) a matrix metalloproteinase --- nucleoside transporter proteins;
- 20 185) a matrix metalloproteinase --- peripheral benzodiazepam binding  
receptors;
- 186) a matrix metalloproteinase --- plasmin;
- 187) a matrix metalloproteinase --- seprase;
- 188) a matrix metalloproteinase --- sigma receptors;



- 189) a matrix metalloproteinase --- somatostatin receptors;
- 190) a matrix metalloproteinase --- stromelysin 3;
- 191) a matrix metalloproteinase --- trypsin;
- 192) a matrix metalloproteinase --- a matrix metalloproteinase;
- 5 193) a matrix metalloproteinase --- MMP 1;
- 194) a matrix metalloproteinase --- MMP 2;
- 195) a matrix metalloproteinase --- MMP 3;
- 196) a matrix metalloproteinase --- MMP 7;
- 197) a matrix metalloproteinase --- MMP 9;
- 10 198) a matrix metalloproteinase --- membrane type matrix  
metalloproteinase I;
- 199) a matrix metalloproteinase --- MMP 12;
- 200) a matrix metalloproteinase --- MMP 13;
- 201) a matrix metalloproteinase --- a tumor antigen;
- 15 202) a membrane type metalloproteinase --- a cathepsin type protease;
- 203) a membrane type metalloproteinase --- a membrane type matrix  
metalloproteinase;
- 204) a membrane type metalloproteinase --- alpha v beta 3 integrin;
- 205) a membrane type metalloproteinase --- bombesin /gastrin releasing  
peptide receptors;
- 20 206) a membrane type metalloproteinase --- cathepsin B;
- 207) a membrane type metalloproteinase --- cathepsin D;
- 208) a membrane type metalloproteinase --- to cathepsin K;
- 209) a membrane type metalloproteinase --- cathepsin L;

- 210) a membrane type metalloproteinase --- cathepsin O;
- 211) a membrane type metalloproteinase --- fibroblast activation protein;
- 212) a membrane type metalloproteinase --- folate binding receptors;
- 213) a membrane type metalloproteinase --- gastrin/cholecystokinin type B  
5 receptor;
- 214) a membrane type metalloproteinase --- glutamate carboxypeptidase II  
or (PSMA);
- 215) a membrane type metalloproteinase --- guanidinobenzoatase;
- 216) a membrane type metalloproteinase --- laminin receptor;
- 10 217) a membrane type metalloproteinase --- matrilysin;
- 218) a membrane type metalloproteinase --- matripase;
- 219) a membrane type metalloproteinase --- melanocyte stimulating  
hormone receptor;
- 220) a membrane type metalloproteinase --- nitrobenzylthioinosine-binding  
15 receptors or (nucleoside transporter);
- 221) a membrane type metalloproteinase --- norepinephrine transporters;
- 222) a membrane type metalloproteinase --- nucleoside transporter  
proteins;
- 223) a membrane type metalloproteinase --- peripheral benzodiazepam  
20 binding receptors;
- 224) a membrane type metalloproteinase --- seprase;
- 225) a membrane type metalloproteinase --- sigma receptors;
- 226) a membrane type metalloproteinase --- somatostatin receptors;
- 227) a membrane type metalloproteinase --- stromelysin 3;

- 228) a membrane type metalloproteinase --- trypsin;
- 229) a membrane type metalloproteinase --- MMP 1;
- 230) a membrane type metalloproteinase --- MMP 2;
- 231) a membrane type metalloproteinase --- MMP 3;
- 5 232) a membrane type metalloproteinase --- MMP 7;
- 233) a membrane type metalloproteinase --- MMP 9;
- 234) a membrane type metalloproteinase --- membrane type matrix metalloproteinase I;
- 235) a membrane type metalloproteinase --- MMP 12;
- 10 236) a membrane type metalloproteinase --- MMP 13;
- 237) a membrane type metalloproteinase --- a tumor antigen;
- 238) alpha v beta 3 integrin --- a cathepsin type protease;
- 239) alpha v beta 3 integrin --- alpha v beta 3 integrin;
- 240) alpha v beta 3 integrin --- bombesin /gastrin releasing peptide
- 15 receptors;
- 241) alpha v beta 3 integrin --- cathepsin B;
- 242) alpha v beta 3 integrin --- cathepsin D;
- 243) alpha v beta 3 integrin --- cathepsin K;
- 244) alpha v beta 3 integrin --- cathepsin L;
- 20 245) alpha v beta 3 integrin --- cathepsin O;
- 246) alpha v beta 3 integrin --- fibroblast activation protein;
- 247) alpha v beta 3 integrin --- folate binding receptors;
- 248) alpha v beta 3 integrin --- gastrin/cholecystokinin type B receptor;
- 249) alpha v beta 3 integrin --- glutamate carboxypeptidase II or (PSMA);

- 250) alpha v beta 3 integrin --- guanidinobenzoatase;
- 251) alpha v beta 3 integrin --- laminin receptor;
- 252) alpha v beta 3 integrin --- matrilysin;
- 253) alpha v beta 3 integrin --- matripase;
- 5 254) alpha v beta 3 integrin --- melanocyte stimulating hormone receptor;
- 255) alpha v beta 3 integrin --- nitrobenzylthioinosine-binding receptors or  
(nucleoside transporter);
- 256) alpha v beta 3 integrin --- norepinephrine transporters;
- 257) alpha v beta 3 integrin --- nucleoside transporter proteins;
- 10 258) alpha v beta 3 integrin --- peripheral benzodiazepam binding  
receptors;
- 259) alpha v beta 3 integrin --- seprase;
- 260) alpha v beta 3 integrin --- sigma receptors;
- 261) alpha v beta 3 integrin --- somatostatin receptors;
- 15 262) alpha v beta 3 integrin --- stromelysin 3;
- 263) alpha v beta 3 integrin --- trypsin;
- 264) alpha v beta 3 integrin --- MMP 1;
- 265) alpha v beta 3 integrin --- MMP 2;
- 266) alpha v beta 3 integrin --- MMP 3;
- 20 267) alpha v beta 3 integrin --- MMP 7;
- 268) alpha v beta 3 integrin --- MMP 9;
- 269) alpha v beta 3 integrin --- membrane type matrix metalloproteinase I;
- 270) alpha v beta 3 integrin --- MMP 12;
- 271) alpha v beta 3 integrin --- MMP 13;

- 272) alpha v beta 3 integrin --- a tumor antigen;
- 273) cathepsin B --- a cathepsin type protease;
- 274) cathepsin B --- bombesin /gastrin releasing peptide receptors;
- 275) cathepsin B --- cathepsin B;
- 5 276) cathepsin B --- cathepsin D;
- 277) cathepsin B --- to cathepsin K;
- 278) cathepsin B --- cathepsin L;
- 279) cathepsin B --- cathepsin O;
- 280) cathepsin B --- fibroblast activation protein;
- 10 281) cathepsin B --- folate binding receptors;
- 282) cathepsin B --- gastrin/cholecystokinin type B receptor;
- 283) cathepsin B --- glutamate carboxypeptidase II or (PSMA);
- 284) cathepsin B --- guanidinobenzoatase;
- 285) cathepsin B --- laminin receptor;
- 15 286) cathepsin B --- matrilysin;
- 287) cathepsin B --- matripase;
- 288) cathepsin B --- melanocyte stimulating hormone receptor;
- 289) cathepsin B --- nitrobenzylthioinosine-binding receptors or (nucleoside transporter);
- 20 290) cathepsin B --- norepinephrine transporters;
- 291) cathepsin B --- nucleoside transporter proteins;
- 292) cathepsin B --- peripheral benzodiazepam binding receptors;
- 293) cathepsin B --- seprase;
- 294) cathepsin B --- sigma receptors;

- 295) cathepsin B --- somatostatin receptors;
- 296) cathepsin B --- stromelysin 3;
- 297) cathepsin B --- trypsin;
- 298) cathepsin B --- MMP 1;
- 5 299) cathepsin B --- MMP 2;
- 300) cathepsin B --- MMP 3;
- 301) cathepsin B --- MMP 7;
- 302) cathepsin B --- MMP 9;
- 303) cathepsin B --- membrane type matrix metalloproteinase I;
- 10 304) cathepsin B --- MMP 12;
- 305) cathepsin B --- MMP 13;
- 306) cathepsin B --- a tumor antigen;
- 307) bombesin/gastrin releasing peptide receptors --- a cathepsin type protease;
- 15 308) bombesin/gastrin releasing peptide receptors --- bombesin /gastrin releasing peptide receptors;
- 309) bombesin/gastrin releasing peptide receptors --- cathepsin B;
- 310) bombesin/gastrin releasing peptide receptors --- cathepsin D;
- 311) bombesin/gastrin releasing peptide receptors --- to cathepsin K;
- 20 312) bombesin/gastrin releasing peptide receptors --- cathepsin L;
- 313) bombesin/gastrin releasing peptide receptors --- cathepsin O;
- 314) bombesin/gastrin releasing peptide receptors --- fibroblast activation protein;

- 315) bombesin/gastrin releasing peptide receptors --- folate binding receptors;
- 316) bombesin/gastrin releasing peptide receptors --- gastrin/cholecystokinin type B receptor;
- 5 317) bombesin/gastrin releasing peptide receptors --- glutamate carboxypeptidase II or (PSMA);
- 318) bombesin/gastrin releasing peptide receptors --- guanidinobenzoatase;
- 319) bombesin/gastrin releasing peptide receptors --- laminin receptor;
- 10 320) bombesin/gastrin releasing peptide receptors --- matrilysin;
- 321) bombesin/gastrin releasing peptide receptors --- matripase;
- 322) bombesin/gastrin releasing peptide receptors --- melanocyte stimulating hormone receptor;
- 323) bombesin/gastrin releasing peptide receptors --- nitrobenzylthioinosine-binding receptors or (nucleoside transporter);
- 15 324) bombesin/gastrin releasing peptide receptors --- norepinephrine transporters;
- 325) bombesin/gastrin releasing peptide receptors --- nucleoside transporter proteins;
- 20 326) bombesin/gastrin releasing peptide receptors --- peripheral benzodiazepam binding receptors;
- 327) bombesin/gastrin releasing peptide receptors --- seprase;
- 328) bombesin/gastrin releasing peptide receptors --- sigma receptors;

- 329) bombesin/gastrin releasing peptide receptors --- somatostatin receptors;
- 330) bombesin/gastrin releasing peptide receptors --- stromelysin 3;
- 331) bombesin/gastrin releasing peptide receptors --- trypsin;
- 5 332) bombesin/gastrin releasing peptide receptors --- MMP 1;
- 333) bombesin/gastrin releasing peptide receptors --- MMP 2;
- 334) bombesin/gastrin releasing peptide receptors --- MMP 3;
- 335) bombesin/gastrin releasing peptide receptors --- MMP 7;
- 336) bombesin/gastrin releasing peptide receptors --- MMP 9;
- 10 337) bombesin/gastrin releasing peptide receptors --- membrane type matrix metalloproteinase I;
- 338) bombesin/gastrin releasing peptide receptors --- MMP 12;
- 339) bombesin/gastrin releasing peptide receptors --- MMP 13;
- 340) bombesin/gastrin releasing peptide receptors --- a tumor antigen;
- 15 341) fibroblast activation protein --- a cathepsin type protease;
- 342) fibroblast activation protein --- cathepsin D;
- 343) fibroblast activation protein --- to cathepsin K;
- 344) fibroblast activation protein --- cathepsin L;
- 345) fibroblast activation protein --- cathepsin O;
- 20 346) fibroblast activation protein --- fibroblast activation protein;
- 347) fibroblast activation protein --- folate binding receptors;
- 348) fibroblast activation protein --- gastrin/cholecystokinin type B receptor;
- 349) fibroblast activation protein --- glutamate carboxypeptidase II or (PSMA);



- 350) fibroblast activation protein --- guanidinobenzoatase;
- 351) fibroblast activation protein --- laminin receptor;
- 352) fibroblast activation protein --- matrilysin;
- 353) fibroblast activation protein --- matripase;
- 5 354) fibroblast activation protein --- melanocyte stimulating hormone  
receptor;
- 355) fibroblast activation protein --- nitrobenzylthioinosine-binding  
receptors or (nucleoside transporter);
- 356) fibroblast activation protein --- norepinephrine transporters;
- 10 357) fibroblast activation protein --- nucleoside transporter proteins;
- 358) fibroblast activation protein --- peripheral benzodiazepam binding  
receptors;
- 359) fibroblast activation protein --- plasmin;
- 360) fibroblast activation protein --- seprase;
- 15 361) fibroblast activation protein --- sigma receptors;
- 362) fibroblast activation protein --- somatostatin receptors;
- 363) fibroblast activation protein --- stromelysin 3;
- 364) fibroblast activation protein --- trypsin;
- 365) fibroblast activation protein --- MMP 1;
- 20 366) fibroblast activation protein --- MMP 2;
- 367) fibroblast activation protein --- MMP 3;
- 368) fibroblast activation protein --- MMP 7;
- 369) fibroblast activation protein --- MMP 9;

- 370) fibroblast activation protein --- membrane type matrix metalloproteinase I;
- 371) fibroblast activation protein --- MMP 12;
- 372) fibroblast activation protein --- MMP 13;
- 5 373) fibroblast activation protein --- a tumor antigen;
- 374) glutamate carboxypeptidase II or PSMA --- cathepsin D;
- 375) glutamate carboxypeptidase II or PSMA --- to cathepsin K;
- 376) glutamate carboxypeptidase II or PSMA --- cathepsin L;
- 377) glutamate carboxypeptidase II or PSMA --- cathepsin O;
- 10 378) glutamate carboxypeptidase II or PSMA --- fibroblast activation protein;
- 379) glutamate carboxypeptidase II or PSMA --- folate binding receptors;
- 380) glutamate carboxypeptidase II or PSMA --- gastrin/cholecystokinin type B receptor;
- 15 381) glutamate carboxypeptidase II or PSMA --- glutamate carboxypeptidase II or (PSMA);
- 382) glutamate carboxypeptidase II or PSMA --- guanidinobenzoatase;
- 383) glutamate carboxypeptidase II or PSMA --- laminin receptor;
- 384) glutamate carboxypeptidase II or PSMA --- matrilysin;
- 20 385) glutamate carboxypeptidase II or PSMA --- matripase;
- 386) glutamate carboxypeptidase II or PSMA --- melanocyte stimulating hormone receptor;
- 387) glutamate carboxypeptidase II or PSMA --- nitrobenzylthioinosine-binding receptors or (nucleoside transporter);

- 388) glutamate carboxypeptidase II or PSMA --- nucleoside transporter proteins;
- 389) glutamate carboxypeptidase II or PSMA --- peripheral benzodiazepam binding receptors;
- 5 390) glutamate carboxypeptidase II or PSMA --- seprase;
- 391) glutamate carboxypeptidase II or PSMA --- sigma receptors;
- 392) glutamate carboxypeptidase II or PSMA --- somatostatin receptors;
- 393) glutamate carboxypeptidase II or PSMA --- stromelysin 3;
- 394) glutamate carboxypeptidase II or PSMA --- trypsin;
- 10 395) glutamate carboxypeptidase II or PSMA --- MMP 1;
- 396) glutamate carboxypeptidase II or PSMA --- MMP 2;
- 397) glutamate carboxypeptidase II or PSMA --- MMP 3;
- 398) glutamate carboxypeptidase II or PSMA --- MMP 7;
- 399) glutamate carboxypeptidase II or PSMA --- MMP 9;
- 15 400) glutamate carboxypeptidase II or PSMA --- membrane type matrix metalloproteinase I;
- 401) glutamate carboxypeptidase II or PSMA --- MMP 12;
- 402) glutamate carboxypeptidase II or PSMA --- MMP 13;
- 403) glutamate carboxypeptidase II or PSMA --- a tumor antigen;
- 20 404) laminin receptor --- a cathepsin type protease;
- 405) laminin receptor --- cathepsin B;
- 406) laminin receptor --- cathepsin D;
- 407) laminin receptor --- to cathepsin K;
- 408) laminin receptor --- cathepsin L;

- 409) laminin receptor --- cathepsin O;
- 410) laminin receptor --- fibroblast activation protein;
- 411) laminin receptor --- folate binding receptors;
- 412) laminin receptor --- gastrin/cholecystokinin type B receptor;
- 5 413) laminin receptor --- guanidinobenzoatase;
- 414) laminin receptor --- laminin receptor;
- 415) laminin receptor --- matrilysin;
- 416) laminin receptor --- matripase;
- 417) laminin receptor --- melanocyte stimulating hormone receptor;
- 10 418) laminin receptor --- nitrobenzylthioinosine-binding receptors or  
(nucleoside transporter);
- 419) laminin receptor --- norepinephrine transporters;
- 420) laminin receptor --- nucleoside transporter proteins;
- 421) laminin receptor --- peripheral benzodiazepam binding receptors;
- 15 422) laminin receptor --- seprase;
- 423) laminin receptor --- sigma receptors;
- 424) laminin receptor --- somatostatin receptors;
- 425) laminin receptor --- stromelysin 3;
- 426) laminin receptor --- trypsin;
- 20 427) laminin receptor --- MMP 1;
- 428) laminin receptor --- MMP 2;
- 429) laminin receptor --- MMP 3;
- 430) laminin receptor --- MMP 7;
- 431) laminin receptor --- MMP 9;

- 432) laminin receptor --- membrane type matrix metalloproteinase I;
- 433) laminin receptor --- MMP 12;
- 434) laminin receptor --- MMP 13;
- 435) laminin receptor --- a tumor antigen;
- 5 436) seprase --- a cathepsin type protease;
- 437) seprase --- cathepsin D;
- 438) seprase --- to cathepsin K;
- 439) seprase --- cathepsin L;
- 440) seprase --- cathepsin O;
- 10 441) seprase --- fibroblast activation protein;
- 442) seprase --- folate binding receptors;
- 443) seprase --- gastrin/cholecystokinin type B receptor;
- 444) seprase --- guanidinobenzoatase;
- 445) seprase --- matipase;
- 15 446) seprase --- melanocyte stimulating hormone receptor;
- 447) seprase --- nitrobenzylthioinosine-binding receptors or (nucleoside transporter);
- 448) seprase --- norepinephrine transporters;
- 449) seprase --- nucleoside transporter proteins;
- 20 450) seprase --- peripheral benzodiazepam binding receptors;
- 451) seprase --- seprase;
- 452) seprase --- sigma receptors;
- 453) seprase --- somatostatin receptors;
- 454) seprase --- stromelysin 3;

- 455) seprase --- trypsin;
- 456) seprase --- MMP 1;
- 457) seprase --- MMP 2;
- 458) seprase --- MMP 3;
- 5 459) seprase --- MMP 7;
- 460) seprase --- MMP 9;
- 461) seprase --- membrane type matrix metalloproteinase I;
- 462) seprase --- MMP 12;
- 463) seprase --- MMP 13;
- 10 464) seprase --- a tumor antigen;
- 465) guanidinobenzoatase --- a cathepsin type protease;
- 466) guanidinobenzoatase --- cathepsin D;
- 467) guanidinobenzoatase --- to cathepsin K;
- 468) guanidinobenzoatase --- cathepsin L;
- 15 469) guanidinobenzoatase --- cathepsin O;
- 470) guanidinobenzoatase --- fibroblast activation protein;
- 471) guanidinobenzoatase --- folate binding receptors;
- 472) guanidinobenzoatase --- gastrin/cholecystokinin type B receptor;
- 473) guanidinobenzoatase --- guanidinobenzoatase;
- 20 474) guanidinobenzoatase --- matripase;
- 475) guanidinobenzoatase --- melanocyte stimulating hormone receptor;
- 476) guanidinobenzoatase --- nitrobenzylthioinosine-binding receptors or  
(nucleoside transporter);
- 477) guanidinobenzoatase --- norepinephrine transporters;

- 478) guanidinobenzoatase --- nucleoside transporter proteins;
- 479) guanidinobenzoatase --- peripheral benzodiazepam binding receptors;
- 480) guanidinobenzoatase --- sigma receptors;
- 5 481) guanidinobenzoatase --- somatostatin receptors;
- 482) guanidinobenzoatase --- stromelysin 3;
- 483) guanidinobenzoatase --- trypsin;
- 484) guanidinobenzoatase --- MMP 1;
- 485) guanidinobenzoatase --- MMP 2;
- 10 486) guanidinobenzoatase --- MMP 3;
- 487) guanidinobenzoatase --- MMP 7;
- 488) guanidinobenzoatase --- MMP 9;
- 489) guanidinobenzoatase --- membrane type matrix metalloproteinase I;
- 490) guanidinobenzoatase --- MMP 12;
- 15 491) guanidinobenzoatase --- MMP 13;
- 492) guanidinobenzoatase --- a tumor antigen;
- 493) peripheral benzodiazepam binding receptors --- a cathepsin type protease;
- 494) peripheral benzodiazepam binding receptors --- cathepsin D;
- 20 495) peripheral benzodiazepam binding receptors --- to cathepsin K;
- 496) peripheral benzodiazepam binding receptors --- cathepsin L;
- 497) peripheral benzodiazepam binding receptors --- cathepsin O;
- 498) peripheral benzodiazepam binding receptors --- fibroblast activation protein;

- 499) peripheral benzodiazepam binding receptors --- folate binding receptors;
- 500) peripheral benzodiazepam binding receptors --- gastrin/cholecystokinin type B receptor;
- 5 501) peripheral benzodiazepam binding receptors --- guanidinobenzoate;
- 502) peripheral benzodiazepam binding receptors --- matrilysin;
- 503) peripheral benzodiazepam binding receptors --- melanocyte stimulating hormone receptor;
- 10 504) peripheral benzodiazepam binding receptors --- nitrobenzylthioinosine-binding receptors or (nucleoside transporter);
- 505) peripheral benzodiazepam binding receptors --- norepinephrine transporters;
- 506) peripheral benzodiazepam binding receptors --- nucleoside transporter proteins;
- 15 507) peripheral benzodiazepam binding receptors --- peripheral benzodiazepam binding receptors;
- 508) peripheral benzodiazepam binding receptors --- sigma receptors;
- 509) peripheral benzodiazepam binding receptors --- somatostatin receptors;
- 20 510) peripheral benzodiazepam binding receptors --- stromelysin 3;
- 511) peripheral benzodiazepam binding receptors --- trypsin;
- 512) peripheral benzodiazepam binding receptors --- MMP 1;
- 513) peripheral benzodiazepam binding receptors --- MMP 2;



- 514) peripheral benzodiazepam binding receptors --- MMP 3;
- 515) peripheral benzodiazepam binding receptors --- MMP 7;
- 516) peripheral benzodiazepam binding receptors --- MMP 9;
- 517) peripheral benzodiazepam binding receptors --- membrane type  
5 matrix metalloproteinase I;
- 518) peripheral benzodiazepam binding receptors --- MMP 12;
- 519) peripheral benzodiazepam binding receptors --- MMP 13;
- 520) peripheral benzodiazepam binding receptors --- a tumor antigen;
- 521) folate binding receptors --- a cathepsin type protease;
- 10 522) folate binding receptors --- cathepsin D;
- 523) folate binding receptors --- to cathepsin K;
- 524) folate binding receptors --- cathepsin L;
- 525) folate binding receptors --- cathepsin O;
- 526) folate binding receptors --- fibroblast activation protein;
- 15 527) folate binding receptors --- folate binding receptors;
- 528) folate binding receptors --- matrilipase;
- 529) folate binding receptors --- melanocyte stimulating hormone receptor;
- 530) folate binding receptors --- nitrobenzylthioinosine-binding receptors or  
(nucleoside transporter);
- 20 531) folate binding receptors --- norepinephrine transporters;
- 532) folate binding receptors --- nucleoside transporter proteins;
- 533) folate binding receptors --- sigma receptors;
- 534) folate binding receptors --- somatostatin receptors;
- 535) folate binding receptors --- stromelysin 3;

- 536) folate binding receptors --- trypsin;
- 537) folate binding receptors --- MMP 1;
- 538) folate binding receptors --- MMP 2;
- 539) folate binding receptors --- MMP 3;
- 5 540) folate binding receptors --- MMP 7;
- 541) folate binding receptors --- MMP 9;
- 542) folate binding receptors --- membrane type matrix metalloproteinase I;
- 543) folate binding receptors --- MMP 12;
- 544) folate binding receptors --- MMP 13;
- 10 545) folate binding receptors --- a tumor antigen;
- 546) folate binding receptors --- a cathepsin type protease;
- 547) folate binding receptors --- cathepsin D;
- 548) folate binding receptors --- to cathepsin K;
- 549) folate binding receptors --- cathepsin L;
- 15 550) folate binding receptors --- cathepsin O;
- 551) folate binding receptors --- fibroblast activation protein;
- 552) folate binding receptors --- folate binding receptors;
- 553) folate binding receptors --- matrilysin;
- 554) folate binding receptors --- melanocyte stimulating hormone receptor;
- 20 555) folate binding receptors --- nitrobenzylthioinosine-binding receptors or  
(nucleoside transporter);
- 556) folate binding receptors --- norepinephrine transporters;
- 557) folate binding receptors --- nucleoside transporter proteins;
- 558) folate binding receptors --- sigma receptors;

- 559) folate binding receptors --- somatostatin receptors;
- 560) folate binding receptors --- stromelysin 3;
- 561) folate binding receptors --- trypsin;
- 562) folate binding receptors --- MMP 1;
- 5 563) folate binding receptors --- MMP 2;
- 564) folate binding receptors --- MMP 3;
- 565) folate binding receptors --- MMP 7;
- 566) folate binding receptors --- MMP 9;
- 567) folate binding receptors --- membrane type matrix metalloproteinase 1;
- 10 568) folate binding receptors --- MMP 12;
- 569) folate binding receptors --- MMP 13;
- 570) folate binding receptors --- a tumor antigen;
- 571) nucleoside transporter proteins --- a cathepsin type protease;
- 572) nucleoside transporter proteins --- cathepsin D;
- 15 573) nucleoside transporter proteins --- to cathepsin K;
- 574) nucleoside transporter proteins --- cathepsin L;
- 575) nucleoside transporter proteins --- cathepsin O;
- 576) nucleoside transporter proteins --- fibroblast activation protein;
- 577) nucleoside transporter proteins --- nucleoside transporter proteins;
- 20 578) nucleoside transporter proteins --- matrilysin;
- 579) nucleoside transporter proteins --- melanocyte stimulating hormone receptor;
- 580) nucleoside transporter proteins --- nitrobenzylthioinosine-binding receptors or (nucleoside transporter);

- 581) nucleoside transporter proteins --- norepinephrine transporters;
- 582) nucleoside transporter proteins --- nucleoside transporter proteins;
- 583) nucleoside transporter proteins --- sigma receptors;
- 584) nucleoside transporter proteins --- somatostatin receptors;
- 5 585) nucleoside transporter proteins --- stromelysin 3;
- 586) nucleoside transporter proteins --- trypsin;
- 587) nucleoside transporter proteins --- MMP 1;
- 588) nucleoside transporter proteins --- MMP 2;
- 589) nucleoside transporter proteins --- MMP 3;
- 10 590) nucleoside transporter proteins --- MMP 7;
- 591) nucleoside transporter proteins --- MMP 9;
- 592) nucleoside transporter proteins --- membrane type matrix metalloproteinase I;
- 593) nucleoside transporter proteins --- MMP 12;
- 15 594) nucleoside transporter proteins --- MMP 13;
- 595) nucleoside transporter proteins --- a tumor antigen;
- 596) melanocyte stimulating hormone receptor --- a cathepsin type protease;
- 597) melanocyte stimulating hormone receptor --- cathepsin D;
- 20 598) melanocyte stimulating hormone receptor --- to cathepsin K;
- 599) melanocyte stimulating hormone receptor --- cathepsin L;
- 600) melanocyte stimulating hormone receptor --- cathepsin O;
- 601) melanocyte stimulating hormone receptor --- fibroblast activation protein;

- 602) melanocyte stimulating hormone receptor --- melanocyte stimulating hormone receptor;
- 603) melanocyte stimulating hormone receptor --- melanocyte stimulating hormone receptor;
- 5 604) melanocyte stimulating hormone receptor --- nitrobenzylthioinosine-binding receptors or (nucleoside transporter);
- 605) melanocyte stimulating hormone receptor --- norepinephrine transporters;
- 10 606) melanocyte stimulating hormone receptor --- nucleoside transporter proteins;
- 607) melanocyte stimulating hormone receptor --- sigma receptors;
- 608) melanocyte stimulating hormone receptor --- somatostatin receptors;
- 609) melanocyte stimulating hormone receptor --- stromelysin 3;
- 610) melanocyte stimulating hormone receptor --- trypsin;
- 15 611) melanocyte stimulating hormone receptor --- MMP 1;
- 612) melanocyte stimulating hormone receptor --- MMP 2;
- 613) melanocyte stimulating hormone receptor --- MMP 3;
- 614) melanocyte stimulating hormone receptor --- MMP 7;
- 615) melanocyte stimulating hormone receptor --- MMP 9;
- 20 616) melanocyte stimulating hormone receptor --- membrane type matrix metalloproteinase I;
- 617) melanocyte stimulating hormone receptor --- MMP 12;
- 618) melanocyte stimulating hormone receptor --- MMP 13;
- 619) melanocyte stimulating hormone receptor --- a tumor antigen;

- 620) sigma receptors --- a cathepsin type protease;
- 621) sigma receptors --- cathepsin D;
- 622) sigma receptors --- to cathepsin K;
- 623) sigma receptors --- cathepsin L;
- 5 624) sigma receptors --- cathepsin O;
- 625) sigma receptors --- fibroblast activation protein;
- 626) sigma receptors --- sigma receptors;
- 627) sigma receptors --- matrilysin;
- 628) sigma receptors --- norepinephrine transporters;
- 10 629) sigma receptors --- sigma receptors;
- 630) sigma receptors --- somatostatin receptors;
- 631) sigma receptors --- stromelysin 3;
- 632) sigma receptors --- trypsin;
- 633) sigma receptors --- MMP 1;
- 15 634) sigma receptors --- MMP 2;
- 635) sigma receptors --- MMP 3;
- 636) sigma receptors --- MMP 7;
- 637) sigma receptors --- MMP 9;
- 638) sigma receptors --- membrane type matrix metalloproteinase I;
- 20 639) sigma receptors --- MMP 12;
- 640) sigma receptors --- MMP 13;
- 641) sigma receptors --- a tumor antigen;
- 642) somatostatin receptors --- a cathepsin type protease;
- 643) somatostatin receptors --- cathepsin D;

- 644) somatostatin receptors --- to cathepsin K;
- 645) somatostatin receptors --- cathepsin L;
- 646) somatostatin receptors --- cathepsin O;
- 647) somatostatin receptors --- fibroblast activation protein;
- 5 648) somatostatin receptors --- somatostatin receptors;
- 649) somatostatin receptors --- matrilysin;
- 650) somatostatin receptors --- melanocyte stimulating hormone receptor;
- 651) somatostatin receptors --- sigma receptors;
- 652) somatostatin receptors --- somatostatin receptors;
- 10 653) somatostatin receptors --- stromelysin 3;
- 654) somatostatin receptors --- trypsin;
- 655) somatostatin receptors --- MMP 1;
- 656) somatostatin receptors --- MMP 2;
- 657) somatostatin receptors --- MMP 3;
- 15 658) somatostatin receptors --- MMP 7;
- 659) somatostatin receptors --- MMP 9;
- 660) somatostatin receptors --- membrane type matrix metalloproteinase I;
- 661) somatostatin receptors --- MMP 12;
- 662) somatostatin receptors --- MMP 13;
- 20 663) somatostatin receptors --- a tumor antigen ;
- 664) stromelysin 3 --- a cathepsin type protease;
- 665) stromelysin 3 --- cathepsin D;
- 666) stromelysin 3 --- to cathepsin K;
- 667) stromelysin 3 --- cathepsin L;

- 668) stromelysin 3 --- cathepsin O;
- 669) stromelysin 3 --- fibroblast activation protein;
- 670) stromelysin 3 --- stromelysin 3;
- 671) stromelysin 3 --- matipase;
- 5 672) stromelysin 3 --- melanocyte stimulating hormone receptor;
- 673) stromelysin 3 --- somatostatin receptors;
- 674) stromelysin 3 --- trypsin;
- 675) stromelysin 3 --- MMP 1;
- 676) stromelysin 3 --- MMP 2;
- 10 677) stromelysin 3 --- MMP 3;
- 678) stromelysin 3 --- MMP 7;
- 679) stromelysin 3 --- MMP 9;
- 680) stromelysin 3 --- membrane type matrix metalloproteinase I;
- 681) stromelysin 3 --- MMP 12;
- 15 682) stromelysin 3 --- MMP 13;
- 683) stromelysin 3 --- a tumor antigen;
- 684) trypsin --- a cathepsin type protease;
- 685) trypsin --- cathepsin D;
- 686) trypsin --- to cathepsin K;
- 20 687) trypsin --- cathepsin L;
- 688) trypsin --- cathepsin O;
- 689) trypsin --- fibroblast activation protein;
- 690) trypsin --- trypsin;
- 691) trypsin --- matipase;



- 692) trypsin --- melanocyte stimulating hormone receptor;
- 693) trypsin --- stromelysin 3;
- 694) trypsin --- MMP 1;
- 695) trypsin --- MMP 2;
- 5 696) trypsin --- MMP 3;
- 697) trypsin --- MMP 7;
- 698) trypsin --- MMP 9;
- 699) trypsin --- membrane type matrix metalloproteinase I;
- 700) trypsin --- MMP 12;
- 10 701) trypsin --- MMP 13;
- 702) trypsin --- a tumor antigen;
- 703) MMP 1 --- a cathepsin type protease;
- 704) MMP 1 --- cathepsin D;
- 705) MMP 1 --- to cathepsin K;
- 15 706) MMP 1 --- cathepsin L;
- 707) MMP 1 --- cathepsin O;
- 708) MMP 1 --- fibroblast activation protein;
- 709) MMP 1 --- matripase;
- 710) MMP 1 --- melanocyte stimulating hormone receptor;
- 20 711) MMP 1 --- stromelysin 3;
- 712) MMP 1 --- MMP 1;
- 713) MMP 1 --- MMP 2;
- 714) MMP 1 --- MMP 3;
- 715) MMP 1 --- MMP 7;

- 716) MMP 1 --- MMP 9;
- 717) MMP 1 --- membrane type matrix metalloproteinase I;
- 718) MMP 1 --- MMP 12;
- 719) MMP 1 --- MMP 13;
- 5 720) MMP 1 --- a tumor antigen;
- 721) MMP-2 --- a cathepsin type protease;
- 722) MMP-2 --- cathepsin D;
- 723) MMP-2 --- to cathepsin K;
- 724) MMP-2 --- cathepsin L;
- 10 725) MMP-2 --- cathepsin O;
- 726) MMP-2 --- fibroblast activation protein;
- 727) MMP-2 --- matrilysin;
- 728) MMP-2 --- melanocyte stimulating hormone receptor;
- 729) MMP-2 --- stromelysin 3;
- 15 730) MMP-2 --- MMP 2;
- 731) MMP-2 --- MMP 3;
- 732) MMP-2 --- MMP 7;
- 733) MMP-2 --- MMP 9;
- 734) MMP-2 --- membrane type matrix metalloproteinase I;
- 20 735) MMP-2 --- MMP-2;
- 736) MMP-2 --- MMP-3;
- 737) MMP-2 --- a tumor antigen;
- 738) MMP-3 --- a cathepsin type protease;
- 739) MMP-3 --- cathepsin D;

- 740) MMP-3 --- to cathepsin K;
- 741) MMP-3 --- cathepsin L;
- 742) MMP-3 --- cathepsin O;
- 743) MMP-3 --- matipase;
- 5 744) MMP-3 --- MMP 3;
- 745) MMP-3 --- MMP 7;
- 746) MMP-3 --- MMP 9;
- 747) MMP-3 --- membrane type matrix metalloproteinase I;
- 748) MMP-3 --- MMP-3;
- 10 749) MMP-3 --- a tumor antigen;
- 750) MMP 7 --- a cathepsin type protease;
- 751) MMP 7 --- cathepsin D;
- 752) MMP 7 --- to cathepsin K;
- 753) MMP 7 --- cathepsin L;
- 15 754) MMP 7 --- cathepsin O;
- 755) MMP 7 --- fibroblast activation protein;
- 756) MMP 7 --- matipase;
- 757) MMP 7 --- stromelysin 3;
- 758) MMP 7 --- MMP 7;
- 20 759) MMP 7 --- MMP 9;
- 760) MMP 7 --- membrane type matrix metalloproteinase I;
- 761) MMP 7 --- a tumor antigen;
- 762) MMP 9 --- a cathepsin type protease;
- 763) MMP 9 --- cathepsin D;

- 764) MMP 9 --- to cathepsin K;
- 765) MMP 9 --- cathepsin L;
- 766) MMP 9 --- cathepsin O;
- 767) MMP 9 --- matipase;
- 5 768) MMP 9 --- MMP 9;
- 769) MMP 9 --- membrane type matrix metalloproteinase I;
- 770) MMP 9 --- a tumor antigen;
- 771) MMP 12 --- a cathepsin type protease;
- 772) MMP 12 --- cathepsin D;
- 10 773) MMP 12 --- to cathepsin K;
- 774) MMP 12 --- cathepsin L;
- 775) MMP 12 --- cathepsin O;
- 776) MMP 12 --- matipase;
- 777) MMP 12 --- MMP 2;
- 15 778) MMP 12 --- membrane type matrix metalloproteinase I;
- 779) MMP 12 --- a tumor antigen;
- 780) MMP 13 --- a cathepsin type protease;
- 781) MMP 13 --- cathepsin D;
- 782) MMP 13 --- to cathepsin K;
- 20 783) MMP 13 --- cathepsin L;
- 784) MMP 13 --- cathepsin O;
- 785) MMP 13 --- matipase;
- 786) MMP 13 --- membrane type matrix metalloproteinase I;
- 787) MMP 13 --- a tumor antigen;

- 788) Membrane type matrix metalloproteinase --- a cathepsin type protease;
- 789) Membrane type matrix metalloproteinase --- cathepsin D;
- 790) Membrane type matrix metalloproteinase --- to cathepsin K;
- 5 791) Membrane type matrix metalloproteinase --- cathepsin L;
- 792) Membrane type matrix metalloproteinase --- cathepsin O;
- 793) Membrane type matrix metalloproteinase --- matipase;
- 794) Membrane type matrix metalloproteinase --- membrane type matrix metalloproteinase I; and
- 10 795) Membrane type matrix metalloproteinase --- a tumor antigen.